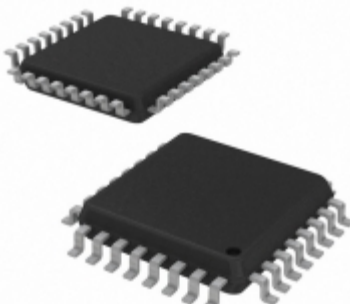


EFM8LB11F16E-A-QFP32R



**SILICON LABS**

**Part Number:** [EFM8LB11F16E-A-QFP32R](#)

**Manufacturer:** [Energy Micro \(Silicon Labs\)](#)

**Description:** IC MCU 8BIT 16KB FLASH 32QFP

**Data sheet:**  [EFM8LB1 Datasheet Rev A](#)

**RoHs Status:** Lead free / RoHS Compliant

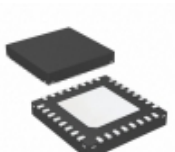
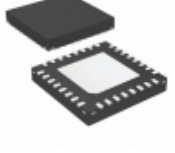
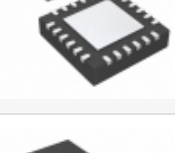
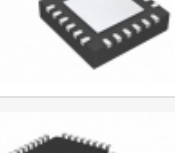
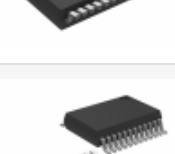
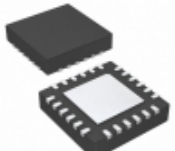
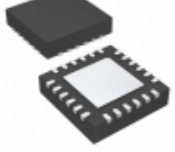
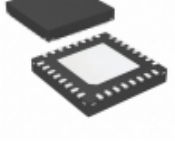
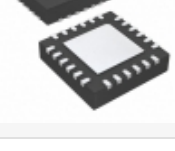
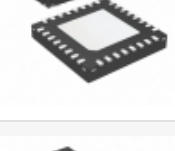
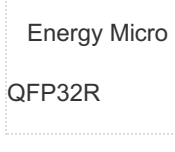
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EFM8LB11F16E-A-QFP32R                     | Manufacturer                   | <a href="#">Energy Micro (Silicon Labs)</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 16KB FLASH 32QFP              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4575 pcs                                  | Data sheet                     | <a href="#">EFM8LB1 Datasheet Rev A</a>                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.2 V ~ 3.6 V                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-QFP (7x7)                              | Speed                          | 72MHz                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Laser Bee                                 | RAM Size                       | 1.25K x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size            | 16KB (16K x 8)                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tape & Reel (TR)                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-TQFP                                   | Oscillator Type                | Internal                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 105°C (TA)                        | Number of I/O                  | 28                                                                                     |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 (1 Year)                                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                             |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | CIP-51 8051 Laser Bee Microcontroller IC 8-Bit 72MHz 16KB (16K x 8) FLASH 32-QFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 20x14b, D/A 2x12b                     | Core Size                      | 8-Bit                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CIP-51 8051                               | Connectivity                   | I²C, SMBus, SPI, UART/USART                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                            |                |
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|  | Part#: <a href="#">EFM8LB11F16E-A-QSOP24</a><br>Description: IC MCU 8BIT 16KB FLASH 24QSOP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB10F16ES0-B-QFN32R</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QFP32R</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFP   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QSOP24</a><br>Description: IC MCU 8BIT 16KB FLASH 24QSOP  | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB10F16ES0-B-QFN24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QFN | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QFN24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QFP32</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB10F16E-B-QSOP24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QSOP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QSOP24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QSOP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-A-QFN32</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QFN32</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Silicon Labs</a>                | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-A-QFP32</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFP    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-A-QSOP24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QSOP | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-B-QFN24</a><br>Description: IC MCU 8BIT 16KB FLASH 24QFN    | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EFM8LB11F16E-A-QFN24R</a><br>Description: IC MCU 8BIT 16KB FLASH 24QFN   | Manufacturers: <a href="#">Energy Micro (Silicon Labs)</a> | <div>RFQ</div> |
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